

| Ref # | Hits   | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|-----------------|------------------|---------|------------------|
| L1    | 157    | "6,052,683" "6,114,873" "5,448,733" "5,519,649" "5,940,852" "5,408,434"       | US-PGPUB; USPAT | OR               | OFF     | 2006/02/13 14:05 |
| L2    | 157    | ("6,052,683" "6,114,873" "5,448,733" "5,519,649" "5,940,852" "5,408,434").pn" | US-PGPUB; USPAT | OR               | OFF     | 2006/02/13 14:05 |
| L3    | 6      | ("6052683" "6114873" "5448733" "5519649" "5940852" "5408434").pn.             | US-PGPUB; USPAT | OR               | OFF     | 2006/02/13 14:05 |
| L4    | 2      | "6587471"   | US-PGPUB; USPAT | OR               | OFF     | 2006/02/13 14:05 |
| L5    | 244616 | (content adj addressable adj memory) or CAM                                   | US-PGPUB; USPAT | OR               | ON      | 2006/02/13 14:05 |
| L6    | 122950 | tree  | US-PGPUB; USPAT | OR               | ON      | 2006/02/13 14:05 |
| L7    | 5223   | L5 and L6   | US-PGPUB; USPAT | OR               | ON      | 2006/02/13 14:05 |
| L8    | 3892   | search adj key  | US-PGPUB; USPAT | OR               | ON      | 2006/02/13 14:05 |
| L9    | 156    | L7 and L8   | US-PGPUB; USPAT | OR               | ON      | 2006/02/13 14:05 |
| L10   | 0      | ("2003/0048785").URPN.  | USPAT           | OR               | OFF     | 2006/02/13 14:05 |
| L11   | 86     | patricia adj tree   | USPAT           | OR               | OFF     | 2006/02/13 14:05 |

**BEST AVAILABLE COPY**

|     |     |  |       |    |     |                  |
|-----|-----|--|-------|----|-----|------------------|
| L12 | 244 | ("5995971" "6041053" "5386413"<br>"6061712" "6061712" "6141738"<br>"6192051" "6223172" "6223172"<br>"6243720" "6289414" "6396842"<br>"6421660" "6571313" "6631419"<br>"6675163" "6778532" "6877005"<br>"5598417" "5706261" "5920526"<br>"5937168" "6005860" "4398290"<br>"4787095" "5206881" "5233608"<br>"5303238" "5321387" "5504741"<br>"5796944" "5956721" "5963720"<br>"6006076" "6032190" "6185568"<br>"6236654" "6252544" "6272190"<br>"6304912" "6334124" "6370144"<br>"6389031" "6427161" "6429812"<br>"6434144" "6473781" "6633563"<br>"6725216" "6745280").pn.<br>("5719982" "5715356" "6018611"<br>"5638516" "5862344" "5917821"<br>"6118760" "6137798" "4507778"<br>"4817080" "5008882" "5363369"<br>"5483525" "5485455" "5491694"<br>"5521910" "5535213" "5583651"<br>"5600812" "5625877" "5790546"<br>"5946679" "5949696" "6044079"<br>"6044266" "6052725" "6094576"<br>"6163541" "6243844" "4468728"<br>"4850033" "4860003" "4912656"<br>"5012442" "5023604" "5030953"<br>"5197002" "5233604" "5301185"<br>"5307344" "5317756" "5337312"<br>"5351300" "5392052" "5392405"<br>"5414704" "5426424" "5437009"<br>"5450399" "5463777").pn.<br>("5477537" "5488631" "5511116"<br>"5514998" "5519504" "5559778"<br>"5574910" "5602956" "5621840"<br>"5625573" "5638364" "5638448"<br>"5642354" "5675332" "5684541"<br>"5689566" "5703877" "5710938"<br>"5740172" "5745183" "5748676"<br>"5761506" "5768466" "5771335"<br>"5774662" "5774739" "5784622"<br>"5797098" "5802242" "5813014"<br>"5812543" "5818868" "5818836"<br>"5848257" "5848217" "5850399"<br>"5877817" "5892983" "5893137"<br>"5895123" "5907838" "5920581"<br>"5920900" "5923811" "5935235"<br>"5938736" "5948100" "5956336"<br>"5963703" "5983223").pn.<br>("5987564" "6009423" "6016172"<br>"6018555" "6023501" "6032053"<br>"6034958" "6035387" "6040850"<br>"6047101" "6052507" "6052683"<br>"6061351" "6067574" "6070162"<br>"6078722" "6081522" "6085267"<br>"6084877" "6084882" "6088356"<br>"6098160" "6104899" "6111874"<br>"6115378" "6118819" "6122293"<br>"6125426" "6125137" "6134235" | USPAT | OR | OFF | 2006/02/13 14:05 |
|-----|-----|--|-------|----|-----|------------------|

|     |        |   |                    |    |     |                  |
|-----|--------|---|--------------------|----|-----|------------------|
| L13 | 8954   | 370/389,392,401-404.ccls.   | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:05 |
| L14 | 244616 | (content adj addressable adj<br>memory) or CAM                                | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L15 | 566    | L13 and L14   | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:05 |
| L16 | 269    | L15 and key   | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:05 |
| L17 | 3048   | associative adj memory  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L18 | 523    | L17 and packet  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L19 | 145    | L18 and (tree or trei)  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L20 | 246699 | (content adj addressable adj<br>memory) or CAM or (associative adj<br>memory) | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L21 | 140576 | packet  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L22 | 5170   | L20 and L21   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L23 | 159437 | tree or trie  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L24 | 1229   | L22 and L23   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L25 | 159437 | tree or trie or trie  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L26 | 161146 | 3and L25  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L27 | 1229   | L22 and L25   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L28 | 418    | L27 and "370"/\$.ccls.  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L29 | 252    | L28 and key   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L30 | 590    | L27 and ("370"/\$.ccls. or "709"/\$.<br>ccls.)                                | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L31 | 372    | L30 and key   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L32 | 75725  | cache or caching  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L33 | 4363   | L20 and L32   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |
| L34 | 297    | L33 and "370"/\$.ccls.  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:05 |

|     |        |   |                              |    |     |                  |
|-----|--------|---|------------------------------|----|-----|------------------|
| L35 | 1653   | L20 same L32  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/13 14:05 |
| L36 | 1653   | L35 and 360/\$.ccls.  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/13 14:05 |
| L37 | 1      | L35 and "360"/\$.ccls.  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/13 14:05 |
| L38 | 101    | L35 and "370"/\$.ccls.  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/13 14:05 |
| L39 | 2      | "6261078"   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/13 14:05 |
| L40 | 1339   | table adj definition  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/13 14:05 |
| L41 | 1169   | L40 and "20"  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/13 14:05 |
| L42 | 246699 | (content adj addressable adj<br>memory) or CAM or (associative adj<br>memory)   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/13 14:05 |
| L43 | 56     | L40 and L42   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/13 14:05 |
| L44 | 2      | "6529897"   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/13 14:05 |
| L45 | 13     | ("5008820"   "5463777"  <br>"5574910"   "5717913"   "5748952"<br>  "5845274"   "5920699"  <br>"5951649"   "5951651"   "5963905"<br>  "5978951"   "6298340").PN. OR<br>("6529897").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/02/13 14:06 |
| L46 | 546    | thread adj number   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/02/13 14:06 |
| L47 | 123    | L46 and key   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/02/13 14:06 |
| L48 | 133911 | key same ((thread adj number) or<br>(table number))   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/02/13 14:06 |
| L49 | 9900   | L48 and ("370"/\$.ccls. or "709"/\$.<br>ccls.)  | US-PGPUB;<br>USPAT           | OR | OFF | 2006/02/13 14:06 |
| L50 | 69144  | key with ((thread adj number) or<br>(table number))   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/02/13 14:06 |
| L51 | 104854 | ("370"/\$.ccls. or "709"/\$.ccls.)  | US-PGPUB;<br>USPAT           | OR | OFF | 2006/02/13 14:06 |
| L52 | 149    | key with ((thread adj number) or<br>(table adj number))   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/02/13 14:06 |
| L53 | 6027   | L50 and L51   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/02/13 14:06 |
| L54 | 307367 | L52 ame register  | US-PGPUB;<br>USPAT           | OR | OFF | 2006/02/13 14:06 |
| L55 | 33     | L52 same register   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/02/13 14:06 |

|     |       |   |                    |    |     |                  |
|-----|-------|---|--------------------|----|-----|------------------|
| L56 | 34    | L52 same address  | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L57 | 17456 | key with ((thread adj number) or<br>(table adj number) or identifier or<br>thread or index)               | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L58 | 0     | L57 same L51  | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L59 | 17456 | key with ((thread adj number) or<br>(table adj number) or identifier or<br>thread or index)               | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L60 | 2306  | L51 and L59   | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L61 | 838   | L60 and register  | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L62 | 28515 | key same ((thread adj number) or<br>(table adj number) or identifier or<br>thread or index)               | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L63 | 3585  | L62 and L51   | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L64 | 1301  | L63 and register  | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L65 | 1214  | L64 and address   | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L66 | 746   | key with ((thread adj number) or<br>(table adj number) or identifier or<br>thread or index) same register | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L67 | 112   | L66 and L51   | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |

|     |    |   |                    |    |     |                  |
|-----|----|---|--------------------|----|-----|------------------|
| L68 | 66 | (US-20010037396-\$ or<br>US-20010056417-\$ or<br>US-20020051450-\$ or<br>US-20020052869-\$ or<br>US-20020126672-\$ or<br>US-20020146009-\$ or<br>US-20030007489-\$ or<br>US-20030056001-\$ or<br>US-20030058864-\$ or<br>US-20030123459-\$ or<br>US-20040236720-\$ or<br>US-20020191605-\$ or<br>US-20020116526-\$ or<br>US-20010043602-\$ or<br>US-20010028651-\$ or<br>US-20030033386-\$ or<br>US-20020144001-\$ or<br>US-20020038379-\$).did. or<br>(US-4468728-\$ or US-5321387-\$ or<br>US-5408434-\$ or US-5414704-\$ or<br>US-5448733-\$ or US-5504741-\$ or<br>US-5519649-\$ or US-5893137-\$ or<br>US-5940852-\$ or US-6052683-\$ or<br>US-6114873-\$ or US-6125426-\$ or<br>US-6137798-\$ or US-6161144-\$ or<br>US-6209020-\$ or US-6240003-\$ or<br>US-6275861-\$ or US-6289414-\$ or<br>US-6307855-\$ or US-6314099-\$ or<br>US-6343289-\$ or US-6421660-\$ or<br>US-6452908-\$ or US-6453358-\$ or<br>US-6460120-\$ or US-6484170-\$).<br>did. or (US-6529897-\$ or<br>US-6549519-\$ or US-6571313-\$ or<br>US-6665297-\$ or US-6675163-\$ or<br>US-6678269-\$ or US-6725216-\$ or<br>US-6732227-\$ or US-6763348-\$ or<br>US-6842443-\$ or US-6853640-\$ or<br>US-6862280-\$ or US-6862281-\$ or<br>US-6877005-\$ or US-6570877-\$ or<br>US-6181698-\$ or US-5860136-\$ or<br>US-6829217-\$ or US-6771646-\$ or<br>US-6651099-\$ or US-6411626-\$ or<br>US-5282201-\$ or US-6618833-\$ or<br>US-6389451-\$ or US-6295456-\$ or<br>US-6195545-\$ or US-5824930-\$).<br>did. or (US-6606301-\$).did. | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L69 | 16 | L68 and (key same address same<br>register)   | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L70 | 0  | "08690225"  | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L71 | 10 | "6209020"   | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |

|     |    |   |                              |    |     |                  |
|-----|----|---|------------------------------|----|-----|------------------|
| L72 | 27 | ("4800491"   "4862392"   "4991078"   "5093801"   "5142677"   "5148536"   "5187800"   "5282196"   "5353418"   "5357617"   "5412796"   "5543824"   "5572690"   "5592679"   "5649226"   "5682531"   "5684752"   "5708841").PN. OR ("6209020").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/02/13 14:06 |
| L73 | 66 | (US-20010028651-\$ or<br>US-20010037396-\$ or<br>US-20010043602-\$ or<br>US-20010056417-\$ or<br>US-20020038379-\$ or<br>US-20020051450-\$ or<br>US-20020052869-\$ or<br>US-20020116526-\$ or<br>US-20020126672-\$ or<br>US-20020144001-\$ or<br>US-20020146009-\$ or<br>US-20020191605-\$ or<br>US-20030007489-\$ or<br>US-20030033386-\$ or<br>US-20030056001-\$ or<br>US-20030058864-\$ or<br>US-20030123459-\$ or<br>US-20040236720-\$).did. or<br>(US-4468728-\$ or US-5282201-\$ or<br>US-5321387-\$ or US-5408434-\$ or<br>US-5414704-\$ or US-5448733-\$ or<br>US-5504741-\$ or US-5519649-\$ or<br>US-5824930-\$ or US-5860136-\$ or<br>US-5893137-\$ or US-5940852-\$ or<br>US-6052683-\$ or US-6114873-\$ or<br>US-6125426-\$ or US-6137798-\$ or<br>US-6161144-\$ or US-6181698-\$ or<br>US-6195545-\$ or US-6209020-\$ or<br>US-6240003-\$ or US-6275861-\$ or<br>US-6289414-\$ or US-6295456-\$ or<br>US-6307855-\$ or US-6314099-\$).<br>did. or (US-6343289-\$ or<br>US-6389451-\$ or US-6411626-\$ or<br>US-6421660-\$ or US-6452908-\$ or<br>US-6453358-\$ or US-6460120-\$ or<br>US-6484170-\$ or US-6529897-\$ or<br>US-6549519-\$ or US-6570877-\$ or<br>US-6571313-\$ or US-6606301-\$ or<br>US-6618833-\$ or US-6651099-\$ or<br>US-6665297-\$ or US-6675163-\$ or<br>US-6678269-\$ or US-6725216-\$ or<br>US-6732227-\$ or US-6763348-\$ or<br>US-6771646-\$ or US-6829217-\$ or<br>US-6842443-\$ or US-6853640-\$ or<br>US-6862280-\$ or US-6862281-\$).<br>did. or (US-6877005-\$).did. | US-PGPUB;<br>USPAT           | OR | OFF | 2006/02/13 14:06 |

|     |        |   |                            |    |    |                  |
|-----|--------|---|----------------------------|----|----|------------------|
| L74 | 5      | L73 and (key adj register)  | US-PGPUB;<br>USPAT         | OR | ON | 2006/02/13 14:06 |
| L75 | 799600 | interface   | US-PGPUB;<br>USPAT         | OR | ON | 2006/02/13 14:06 |
| L76 | 48     | L73 and interface   | US-PGPUB;<br>USPAT         | OR | ON | 2006/02/13 14:06 |
| L77 | 4      | L74 and interface   | US-PGPUB;<br>USPAT         | OR | ON | 2006/02/13 14:06 |
| L78 | 61     | interface same tree same (CAM or<br>(content adj addressable adj<br>memory))  | US-PGPUB;<br>USPAT         | OR | ON | 2006/02/13 14:06 |
| L79 | 9      | 6-261078  | US-PGPUB;<br>USPAT;<br>JPO | OR | ON | 2006/02/13 14:06 |
| L80 | 246699 | (content adj addressable adj<br>memory) or CAM or (associative adj<br>memory) | US-PGPUB;<br>USPAT         | OR | ON | 2006/02/13 14:06 |
| L81 | 75725  | cache or caching  | US-PGPUB;<br>USPAT         | OR | ON | 2006/02/13 14:06 |
| L82 | 1653   | L80 same L81  | US-PGPUB;<br>USPAT         | OR | ON | 2006/02/13 14:06 |
| L83 | 1227   | L80 with L81  | US-PGPUB;<br>USPAT         | OR | ON | 2006/02/13 14:06 |
| L84 | 121    | L83 and ("370"/\$.ccls. or "709"/\$.<br>ccls.)                                | US-PGPUB;<br>USPAT         | OR | ON | 2006/02/13 14:06 |



|     |        |   |                    |    |     |                  |
|-----|--------|---|--------------------|----|-----|------------------|
| L85 | 67     | (US-20010028651-\$ or<br>US-20010037396-\$ or<br>US-20010043602-\$ or<br>US-20010056417-\$ or<br>US-20020038379-\$ or<br>US-20020051450-\$ or<br>US-20020052869-\$ or<br>US-20020116526-\$ or<br>US-20020126672-\$ or<br>US-20020144001-\$ or<br>US-20020146009-\$ or<br>US-20020191605-\$ or<br>US-20030007489-\$ or<br>US-20030033386-\$ or<br>US-20030056001-\$ or<br>US-20030058864-\$ or<br>US-20030123459-\$ or<br>US-20040236720-\$ or<br>US-20020154634-\$).did. or<br>(US-4468728-\$ or US-5282201-\$ or<br>US-5321387-\$ or US-5408434-\$ or<br>US-5414704-\$ or US-5448733-\$ or<br>US-5504741-\$ or US-5519649-\$ or<br>US-5824930-\$ or US-5860136-\$ or<br>US-5893137-\$ or US-5940852-\$ or<br>US-6052683-\$ or US-6114873-\$ or<br>US-6125426-\$ or US-6137798-\$ or<br>US-6161144-\$ or US-6181698-\$ or<br>US-6195545-\$ or US-6209020-\$ or<br>US-6240003-\$ or US-6275861-\$ or<br>US-6289414-\$ or US-6295456-\$ or<br>US-6307855-\$ or US-6314099-\$).<br>did. or (US-6343289-\$ or<br>US-6389451-\$ or US-6411626-\$ or<br>US-6421660-\$ or US-6452908-\$ or<br>US-6453358-\$ or US-6460120-\$ or<br>US-6484170-\$ or US-6529897-\$ or<br>US-6549519-\$ or US-6570877-\$ or<br>US-6571313-\$ or US-6606301-\$ or<br>US-6618833-\$ or US-6651099-\$ or<br>US-6665297-\$ or US-6675163-\$ or<br>US-6678269-\$ or US-6725216-\$ or<br>US-6732227-\$ or US-6763348-\$ or<br>US-6771646-\$ or US-6829217-\$ or<br>US-6842443-\$ or US-6853640-\$ or<br>US-6862280-\$ or US-6862281-\$).<br>did. or (US-6877005-\$ or<br>US-6839751-\$).did. | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L86 | 3      | L85 and (tree with engine)  | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L87 | 758735 | interface   | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L88 | 21452  | interface with register   | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |

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|-----|--------|---|--------------------|----|-----|------------------|
| L89 | 48     | interface with (key adj register)   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:06 |
| L90 | 68     | (US-20010028651-\$ or<br>US-20010037396-\$ or<br>US-20010043602-\$ or<br>US-20010056417-\$ or<br>US-20020038379-\$ or<br>US-20020051450-\$ or<br>US-20020052869-\$ or<br>US-20020116526-\$ or<br>US-20020126672-\$ or<br>US-20020144001-\$ or<br>US-20020146009-\$ or<br>US-20020154634-\$ or<br>US-20020191605-\$ or<br>US-20030007489-\$ or<br>US-20030028530-\$ or<br>US-20030033386-\$ or<br>US-20030056001-\$ or<br>US-20030058864-\$ or<br>US-20030123459-\$ or<br>US-20040236720-\$).did. or<br>(US-4468728-\$ or US-5282201-\$ or<br>US-5321387-\$ or US-5408434-\$ or<br>US-5414704-\$ or US-5448733-\$ or<br>US-5504741-\$ or US-5519649-\$ or<br>US-5824930-\$ or US-5860136-\$ or<br>US-5893137-\$ or US-5940852-\$ or<br>US-6052683-\$ or US-6114873-\$ or<br>US-6125426-\$ or US-6137798-\$ or<br>US-6161144-\$ or US-6181698-\$ or<br>US-6195545-\$ or US-6209020-\$ or<br>US-6240003-\$ or US-6275861-\$ or<br>US-6289414-\$ or US-6295456-\$ or<br>US-6307855-\$ or US-6314099-\$),<br>did. or (US-6343289-\$ or<br>US-6389451-\$ or US-6411626-\$ or<br>US-6421660-\$ or US-6452908-\$ or<br>US-6453358-\$ or US-6460120-\$ or<br>US-6484170-\$ or US-6529897-\$ or<br>US-6549519-\$ or US-6570877-\$ or<br>US-6571313-\$ or US-6606301-\$ or<br>US-6618833-\$ or US-6651099-\$ or<br>US-6665297-\$ or US-6675163-\$ or<br>US-6678269-\$ or US-6725216-\$ or<br>US-6732227-\$ or US-6763348-\$ or<br>US-6771646-\$ or US-6829217-\$ or<br>US-6839751-\$ or US-6842443-\$ or<br>US-6853640-\$ or US-6862280-\$),<br>did. or (US-6862281-\$ or<br>US-6877005-\$).did. | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/13 14:06 |
| L91 | 770273 | shift\$4  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:06 |
| L92 | 19     | L91 and L90   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/13 14:06 |

|      |        |   |   |    |     |                  |
|------|--------|---|---|----|-----|------------------|
| L93  | 844209 | adding  | US-PGPUB;<br>USPAT                                    | OR | ON  | 2006/02/13 14:06 |
| L94  | 24     | L93 and L90   | US-PGPUB;<br>USPAT                                    | OR | ON  | 2006/02/13 14:06 |
| L95  | 5      | "6343289"   | US-PGPUB;<br>USPAT                                    | OR | ON  | 2006/02/13 14:06 |
| L96  | 2      | "6,529,897"   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/02/13 14:06 |
| L97  | 0      | "09940758"  | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/02/13 14:06 |
| L98  | 13     | ("5008820"   "5463777"  <br>"5574910"   "5717913"   "5748952"<br>  "5845274"   "5920699"  <br>"5951649"   "5951651"   "5963905"<br>  "5978951"   "6298340").PN. OR<br>("6529897").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/02/13 14:06 |
| L99  | 0      | "09940758".ap.  | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/02/13 14:06 |
| L100 | 5      | "940758".ap.  | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/02/13 14:06 |
| L101 | 1      | "6529897".pn.   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/02/13 14:06 |
| L102 | 13     | ("5008820"   "5463777"  <br>"5574910"   "5717913"   "5748952"<br>  "5845274"   "5920699"  <br>"5951649"   "5951651"   "5963905"<br>  "5978951"   "6298340").PN. OR<br>("6529897").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/02/13 14:06 |
| L103 | 11773  | packet adj header   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/02/13 14:06 |
| L104 | 468752 | key   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/02/13 14:06 |
| L105 | 329    | L103 with L104  | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/02/13 14:06 |
| L106 | 154    | L105 and "370"/\$.ccls.   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/02/13 14:06 |
| L107 | 246699 | (content adj addressable adj<br>memory) or CAM or (associative adj<br>memory)   | US-PGPUB;<br>USPAT                                    | OR | ON  | 2006/02/13 14:06 |
| L108 | 184439 | tree or trie  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 14:06 |
| L109 | 846    | L107 same L108  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 14:06 |

|      |        |   |   |    |     |                  |
|------|--------|---|---|----|-----|------------------|
| L110 | 435    | L107 with L108  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 14:06 |
| L111 | 166    | L110 and key  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 14:06 |
| L112 | 76077  | data adj structure  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 14:06 |
| L113 | 693878 | (content adj addressable adj<br>memory) or CAM or (associative adj<br>memory) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 14:06 |
| L114 | 284    | L112 same L113  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 14:06 |
| L115 | 158    | L114 and key  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 14:06 |
| L116 | 31     | L114 same key   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 14:06 |

|      |        |  |   |    |     |                  |
|------|--------|--|---|----|-----|------------------|
| L117 | 51     | ("20010053150"   "3648254"   "4296475"   "4791606"   "4996666"   "5088032"   "5319763"   "5383146"   "5440715"   "5450351"   "5481540"   "5515370"   "5740171"   "5841874"   "5842040"   "5898689"   "5920886"   "5930359"   "5956336"   "5978885"   "6000008"   "6041389"   "6047369"   "6061368"   "6069573"   "6081440"   "6091725"   "6097724"   "6134135"   "6137707"   "6141738"   "6148364"   "6154384"   "6175513"   "6181698"   "6199140"   "6236658"   "6237061"   "6240003"   "6243667"   "6246601"   "6295576"   "6307855"   "6377998").PN. OR ("6606681").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/02/13 14:06 |
| L118 | 2445   | L112 and L113  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 14:06 |
| L119 | 184439 | tree or trie or trie   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 14:06 |
| L120 | 622    | L112 and L113 and L119 and key   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 14:06 |
| L121 | 3831   | L113 same L119   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 14:06 |
| L122 | 160    | L121 and L112  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 14:06 |
| L123 | 98     | L122 and key   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 14:06 |

|      |        |   |   |    |     |                  |
|------|--------|---|---|----|-----|------------------|
| L124 | 5      | CAM same (null adj pointer)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 14:06 |
| L125 | 1636   | CAM same (null)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 14:06 |
| L126 | 85     | CAM same null same match\$2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/02/13 14:06 |
| S1   | 137    | "6,052,683" "6,114,873" "5,448,<br>733" "5,519,649" "5,940,852" "5,<br>408,434"       | US-PGPUB;<br>USPAT                                    | OR | OFF | 2005/04/12 07:39 |
| S2   | 137    | ("6,052,683" "6,114,873" "5,448,<br>733" "5,519,649" "5,940,852" "5,<br>408,434").pn" | US-PGPUB;<br>USPAT                                    | OR | OFF | 2005/04/08 15:03 |
| S3   | 6      | ("6052683" "6114873" "5448733"<br>"5519649" "5940852" "5408434").<br>pn.              | US-PGPUB;<br>USPAT                                    | OR | OFF | 2005/04/08 15:05 |
| S4   | 1      | "6587471"   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2005/04/11 10:50 |
| S5   | 230292 | (content adj addressable adj<br>memory) or CAM  | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/04/13 10:14 |
| S6   | 107570 | tree  | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/04/11 10:51 |
| S7   | 4600   | S5 and S6   | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/04/11 10:51 |
| S8   | 3306   | search adj key  | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/04/11 10:51 |
| S9   | 134    | S7 and S8   | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/04/11 10:52 |
| S10  | 0      | ("2003/0048785").URPN.  | USPAT   | OR | OFF | 2005/04/11 12:07 |
| S11  | 73     | patricia adj tree   | USPAT   | OR | OFF | 2005/04/11 14:16 |

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|-----|-----|--|-------|----|-----|------------------|
| S12 | 244 | ("5995971" "6041053" "5386413"<br>"6061712" "6061712" "6141738"<br>"6192051" "6223172" "6223172"<br>"6243720" "6289414" "6396842"<br>"6421660" "6571313" "6631419"<br>"6675163" "6778532" "6877005"<br>"5598417" "5706261" "5920526"<br>"5937168" "6005860" "4398290"<br>"4787095" "5206881" "5233608"<br>"5303238" "5321387" "5504741"<br>"5796944" "5956721" "5963720"<br>"6006076" "6032190" "6185568"<br>"6236654" "6252544" "6272190"<br>"6304912" "6334124" "6370144"<br>"6389031" "6427161" "6429812"<br>"6434144" "6473781" "6633563"<br>"6725216" "6745280").pn.<br>("5719982" "5715356" "6018611"<br>"5638516" "5862344" "5917821"<br>"6118760" "6137798" "4507778"<br>"4817080" "5008882" "5363369"<br>"5483525" "5485455" "5491694"<br>"5521910" "5535213" "5583651"<br>"5600812" "5625877" "5790546"<br>"5946679" "5949696" "6044079"<br>"6044266" "6052725" "6094576"<br>"6163541" "6243844" "4468728"<br>"4850033" "4860003" "4912656"<br>"5012442" "5023604" "5030953"<br>"5197002" "5233604" "5301185"<br>"5307344" "5317756" "5337312"<br>"5351300" "5392052" "5392405"<br>"5414704" "5426424" "5437009"<br>"5450399" "5463777").pn.<br>("5477537" "5488631" "5511116"<br>"5514998" "5519504" "5559778"<br>"5574910" "5602956" "5621840"<br>"5625573" "5638364" "5638448"<br>"5642354" "5675332" "5684541"<br>"5689566" "5703877" "5710938"<br>"5740172" "5745183" "5748676"<br>"5761506" "5768466" "5771335"<br>"5774662" "5774739" "5784622"<br>"5797098" "5802242" "5813014"<br>"5812543" "5818868" "5818836"<br>"5848257" "5848217" "5850399"<br>"5877817" "5892983" "5893137"<br>"5895123" "5907838" "5920581"<br>"5920900" "5923811" "5935235"<br>"5938736" "5948100" "5956336"<br>"5963703" "5983223").pn.<br>("5987564" "6009423" "6016172"<br>"6018555" "6023501" "6032053"<br>"6034958" "6035387" "6040850"<br>"6047101" "6052507" "6052683"<br>"6061351" "6067574" "6070162"<br>"6078722" "6081522" "6085267"<br>"6084877" "6084882" "6088356"<br>"6098160" "6104899" "6111874"<br>"6115378" "6118819" "6122293"<br>"6125426" "6125137" "6134235" | USPAT | OR | OFF | 2005/04/11 14:17 |
|-----|-----|--|-------|----|-----|------------------|

|     |        |   |                    |    |     |                  |
|-----|--------|---|--------------------|----|-----|------------------|
| S13 | 7255   | 370/389,392,401-404.ccls.   | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/12 07:40 |
| S14 | 230428 | (content adj addressable adj<br>memory) or CAM                                | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/12 07:40 |
| S15 | 481    | S13 and S14   | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/12 07:40 |
| S16 | 223    | S15 and key   | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/12 07:40 |
| S17 | 2822   | associative adj memory  | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/12 15:18 |
| S18 | 447    | S17 and packet  | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/12 15:18 |
| S19 | 115    | S18 and (tree or trei)  | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/12 15:19 |
| S20 | 232369 | (content adj addressable adj<br>memory) or CAM or (associative adj<br>memory) | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/09 10:03 |
| S21 | 116133 | packet  | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/13 10:15 |
| S22 | 4386   | S20 and S21   | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/13 10:15 |
| S23 | 139563 | tree or trie  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/08 16:34 |
| S24 | 1032   | S22 and S23   | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/13 10:15 |
| S25 | 139563 | tree or trie or trie  | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/13 10:15 |
| S26 | 141110 | 3and S25  | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/13 10:16 |
| S27 | 1032   | S22 and S25   | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/13 10:16 |
| S28 | 351    | S27 and "370"/\$.ccls.  | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/13 10:20 |
| S29 | 210    | S28 and key   | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/13 10:17 |
| S30 | 506    | S27 and ("370"/\$.ccls. or "709"/\$.<br>ccls.)                                | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/13 10:21 |
| S31 | 321    | S30 and key   | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/13 11:18 |
| S32 | 62252  | cache or caching  | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/13 11:18 |
| S33 | 3653   | S20 and S32   | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/14 10:53 |
| S34 | 245    | S33 and "370"/\$.ccls.  | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/13 11:18 |



|     |        |   |                              |    |     |                  |
|-----|--------|---|------------------------------|----|-----|------------------|
| S35 | 1458   | S20 same S32  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/04/13 11:21 |
| S36 | 1458   | S35 and 360/\$.ccls.  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/04/13 11:21 |
| S37 | 1      | S35 and "360"/\$.ccls.  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/04/13 11:22 |
| S38 | 83     | S35 and "370"/\$.ccls.  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/04/13 13:01 |
| S39 | 2      | "6261078"   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/04/13 11:40 |
| S40 | 1114   | table adj definition  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/04/13 13:01 |
| S41 | 968    | S40 and "20"  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/04/13 13:02 |
| S42 | 232369 | (content adj addressable adj<br>memory) or CAM or (associative adj<br>memory)   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/08 16:33 |
| S43 | 47     | S40 and S42   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/04/13 13:28 |
| S44 | 2      | "6529897"   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/04/13 13:28 |
| S45 | 13     | ("5008820"   "5463777"  <br>"5574910"   "5717913"   "5748952"<br>  "5845274"   "5920699"  <br>"5951649"   "5951651"   "5963905"<br>  "5978951"   "6298340").PN. OR<br>("6529897").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/04/13 13:28 |
| S46 | 470    | thread adj number   | US-PGPUB;<br>USPAT           | OR | OFF | 2005/04/13 13:46 |
| S47 | 104    | S46 and key   | US-PGPUB;<br>USPAT           | OR | OFF | 2005/04/13 14:51 |
| S48 | 117987 | key same ((thread adj number) or<br>(table number))   | US-PGPUB;<br>USPAT           | OR | OFF | 2005/04/13 14:52 |
| S49 | 8199   | S48 and ("370"/\$.ccls. or "709"/\$.<br>ccls.)  | US-PGPUB;<br>USPAT           | OR | OFF | 2005/04/13 14:53 |
| S50 | 60375  | key with ((thread adj number) or<br>(table number))   | US-PGPUB;<br>USPAT           | OR | OFF | 2005/04/13 14:53 |
| S51 | 88757  | ("370"/\$.ccls. or "709"/\$.ccls.)  | US-PGPUB;<br>USPAT           | OR | OFF | 2005/04/13 14:53 |
| S52 | 4970   | S50 and S51   | US-PGPUB;<br>USPAT           | OR | OFF | 2005/04/13 14:53 |
| S53 | 139    | key with ((thread adj number) or<br>(table adj number))   | US-PGPUB;<br>USPAT           | OR | OFF | 2005/04/13 15:26 |
| S54 | 279149 | S53 ame register  | US-PGPUB;<br>USPAT           | OR | OFF | 2005/04/13 15:10 |
| S55 | 30     | S53 same register   | US-PGPUB;<br>USPAT           | OR | OFF | 2005/04/13 15:16 |

|     |       |   |                    |    |     |                  |
|-----|-------|---|--------------------|----|-----|------------------|
| S56 | 31    | S53 same address  | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/13 15:17 |
| S57 | 14579 | key with ((thread adj number) or<br>(table adj number) or identifier or<br>thread or index)               | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/13 15:29 |
| S58 | 0     | S57 same S51  | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/13 15:27 |
| S59 | 14579 | key with ((thread adj number) or<br>(table adj number) or identifier or<br>thread or index)               | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/13 15:31 |
| S60 | 1843  | S51 and S59   | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/13 15:27 |
| S61 | 683   | S60 and register  | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/13 15:28 |
| S62 | 24106 | key same ((thread adj number) or<br>(table adj number) or identifier or<br>thread or index)               | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/13 15:30 |
| S63 | 2892  | S62 and S51   | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/13 15:30 |
| S64 | 1061  | S63 and register  | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/13 15:30 |
| S65 | 987   | S64 and address   | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/13 15:30 |
| S66 | 652   | key with ((thread adj number) or<br>(table adj number) or identifier or<br>thread or index) same register | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/13 15:32 |
| S67 | 98    | S66 and S51   | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/13 15:32 |

|     |    |   |                    |    |     |                  |
|-----|----|---|--------------------|----|-----|------------------|
| S68 | 72 | (US-20010037396-\$ or<br>US-20010056417-\$ or<br>US-20020051450-\$ or<br>US-20020052869-\$ or<br>US-20020126672-\$ or<br>US-20020146009-\$ or<br>US-20030007489-\$ or<br>US-20030056001-\$ or<br>US-20030058864-\$ or<br>US-20030123459-\$ or<br>US-20040236720-\$ or<br>US-20020191605-\$ or<br>US-20020116526-\$ or<br>US-20010043602-\$ or<br>US-20010028651-\$ or<br>US-20030033386-\$ or<br>US-20020144001-\$ or<br>US-20020038379-\$).did. or<br>(US-4468728-\$ or US-5321387-\$ or<br>US-5408434-\$ or US-5414704-\$ or<br>US-5448733-\$ or US-5504741-\$ or<br>US-5519649-\$ or US-5893137-\$ or<br>US-5940852-\$ or US-6052683-\$ or<br>US-6114873-\$ or US-6125426-\$ or<br>US-6137798-\$ or US-6161144-\$ or<br>US-6209020-\$ or US-6240003-\$ or<br>US-6275861-\$ or US-6289414-\$ or<br>US-6307855-\$ or US-6314099-\$ or<br>US-6343289-\$ or US-6421660-\$ or<br>US-6452908-\$ or US-6453358-\$ or<br>US-6460120-\$ or US-6484170-\$).<br>did. or (US-6529897-\$ or<br>US-6549519-\$ or US-6571313-\$ or<br>US-6665297-\$ or US-6675163-\$ or<br>US-6678269-\$ or US-6725216-\$ or<br>US-6732227-\$ or US-6763348-\$ or<br>US-6842443-\$ or US-6853640-\$ or<br>US-6862280-\$ or US-6862281-\$ or<br>US-6877005-\$ or US-6570877-\$ or<br>US-6181698-\$ or US-5860136-\$ or<br>US-6829217-\$ or US-6771646-\$ or<br>US-6651099-\$ or US-6411626-\$ or<br>US-5282201-\$ or US-6618833-\$ or<br>US-6389451-\$ or US-6295456-\$ or<br>US-6195545-\$ or US-5824930-\$).<br>did. or (US-6606301-\$).did. | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/13 16:44 |
| S69 | 18 | S68 and (key same address same<br>register)   | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/13 17:42 |
| S70 | 0  | "08690225"  | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/13 17:43 |
| S71 | 8  | "6209020"   | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/13 17:43 |

|     |    |  |                              |    |     |                  |
|-----|----|--|------------------------------|----|-----|------------------|
| S72 | 25 | ("4800491"   "4862392"   "4991078"   "5093801"   "5142677"   "5148536"   "5187800"   "5282196"   "5353418"   "5357617"   "5412796"   "5543824"   "5572690"   "5592679"   "5649226"   "5682531"   "5684752"   "5708841").PN. OR ("6209020").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/04/13 17:44 |
| S73 | 72 | (US-20010028651-\$ or US-20010037396-\$ or US-20010043602-\$ or US-20010056417-\$ or US-20020038379-\$ or US-20020051450-\$ or US-20020052869-\$ or US-20020116526-\$ or US-20020126672-\$ or US-20020144001-\$ or US-20020146009-\$ or US-20020191605-\$ or US-20030007489-\$ or US-20030033386-\$ or US-20030056001-\$ or US-20030058864-\$ or US-20030123459-\$ or US-20040236720-\$).did. or (US-4468728-\$ or US-5282201-\$ or US-5321387-\$ or US-5408434-\$ or US-5414704-\$ or US-5448733-\$ or US-5504741-\$ or US-5519649-\$ or US-5824930-\$ or US-5860136-\$ or US-5893137-\$ or US-5940852-\$ or US-6052683-\$ or US-6114873-\$ or US-6125426-\$ or US-6137798-\$ or US-6161144-\$ or US-6181698-\$ or US-6195545-\$ or US-6209020-\$ or US-6240003-\$ or US-6275861-\$ or US-6289414-\$ or US-6295456-\$ or US-6307855-\$ or US-6314099-\$). did. or (US-6343289-\$ or US-6389451-\$ or US-6411626-\$ or US-6421660-\$ or US-6452908-\$ or US-6453358-\$ or US-6460120-\$ or US-6484170-\$ or US-6529897-\$ or US-6549519-\$ or US-6570877-\$ or US-6571313-\$ or US-6606301-\$ or US-6618833-\$ or US-6651099-\$ or US-6665297-\$ or US-6675163-\$ or US-6678269-\$ or US-6725216-\$ or US-6732227-\$ or US-6763348-\$ or US-6771646-\$ or US-6829217-\$ or US-6842443-\$ or US-6853640-\$ or US-6862280-\$ or US-6862281-\$). did. or (US-6877005-\$).did. | US-PGPUB;<br>USPAT           | OR | OFF | 2005/04/14 09:09 |

|     |        |   |                            |    |    |                  |
|-----|--------|---|----------------------------|----|----|------------------|
| S74 | 7      | S73 and (key adj register)  | US-PGPUB;<br>USPAT         | OR | ON | 2005/04/14 09:13 |
| S75 | 693474 | interface   | US-PGPUB;<br>USPAT         | OR | ON | 2005/04/14 09:13 |
| S76 | 53     | S73 and interface   | US-PGPUB;<br>USPAT         | OR | ON | 2005/04/14 09:14 |
| S77 | 6      | S74 and interface   | US-PGPUB;<br>USPAT         | OR | ON | 2005/04/14 09:17 |
| S78 | 48     | interface same tree same (CAM or<br>(content adj addressable adj<br>memory))  | US-PGPUB;<br>USPAT         | OR | ON | 2005/04/14 10:46 |
| S79 | 8      | 6-261078  | US-PGPUB;<br>USPAT;<br>JPO | OR | ON | 2005/04/14 10:46 |
| S80 | 232576 | (content adj addressable adj<br>memory) or CAM or (associative adj<br>memory) | US-PGPUB;<br>USPAT         | OR | ON | 2005/04/14 10:53 |
| S81 | 62468  | cache or caching  | US-PGPUB;<br>USPAT         | OR | ON | 2005/04/14 10:53 |
| S82 | 1459   | S80 same S81  | US-PGPUB;<br>USPAT         | OR | ON | 2005/04/14 10:53 |
| S83 | 1074   | S80 with S81  | US-PGPUB;<br>USPAT         | OR | ON | 2005/04/14 10:53 |
| S84 | 95     | S83 and ("370"/\$.ccls. or "709"/\$.<br>ccls.)                                | US-PGPUB;<br>USPAT         | OR | ON | 2005/04/14 10:54 |

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|-----|--------|---|--------------------|----|-----|------------------|
| S85 | 74     | (US-20010028651-\$ or<br>US-20010037396-\$ or<br>US-20010043602-\$ or<br>US-20010056417-\$ or<br>US-20020038379-\$ or<br>US-20020051450-\$ or<br>US-20020052869-\$ or<br>US-20020116526-\$ or<br>US-20020126672-\$ or<br>US-20020144001-\$ or<br>US-20020146009-\$ or<br>US-20020191605-\$ or<br>US-20030007489-\$ or<br>US-20030033386-\$ or<br>US-20030056001-\$ or<br>US-20030058864-\$ or<br>US-20030123459-\$ or<br>US-20040236720-\$ or<br>US-20020154634-\$).did. or<br>(US-4468728-\$ or US-5282201-\$ or<br>US-5321387-\$ or US-5408434-\$ or<br>US-5414704-\$ or US-5448733-\$ or<br>US-5504741-\$ or US-5519649-\$ or<br>US-5824930-\$ or US-5860136-\$ or<br>US-5893137-\$ or US-5940852-\$ or<br>US-6052683-\$ or US-6114873-\$ or<br>US-6125426-\$ or US-6137798-\$ or<br>US-6161144-\$ or US-6181698-\$ or<br>US-6195545-\$ or US-6209020-\$ or<br>US-6240003-\$ or US-6275861-\$ or<br>US-6289414-\$ or US-6295456-\$ or<br>US-6307855-\$ or US-6314099-\$).<br>did. or (US-6343289-\$ or<br>US-6389451-\$ or US-6411626-\$ or<br>US-6421660-\$ or US-6452908-\$ or<br>US-6453358-\$ or US-6460120-\$ or<br>US-6484170-\$ or US-6529897-\$ or<br>US-6549519-\$ or US-6570877-\$ or<br>US-6571313-\$ or US-6606301-\$ or<br>US-6618833-\$ or US-6651099-\$ or<br>US-6665297-\$ or US-6675163-\$ or<br>US-6678269-\$ or US-6725216-\$ or<br>US-6732227-\$ or US-6763348-\$ or<br>US-6771646-\$ or US-6829217-\$ or<br>US-6842443-\$ or US-6853640-\$ or<br>US-6862280-\$ or US-6862281-\$).<br>did. or (US-6877005-\$ or<br>US-6839751-\$).did. | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/14 11:43 |
| S86 | 5      | S85 and (tree with engine)  | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/14 13:40 |
| S87 | 657365 | interface   | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/14 13:40 |
| S88 | 19056  | interface with register   | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/14 13:40 |

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|-----|--------|---|--------------------|----|-----|------------------|
| S89 | 38     | interface with (key adj register)   | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/14 13:41 |
| S90 | 75     | (US-20010028651-\$ or<br>US-20010037396-\$ or<br>US-20010043602-\$ or<br>US-20010056417-\$ or<br>US-20020038379-\$ or<br>US-20020051450-\$ or<br>US-20020052869-\$ or<br>US-20020116526-\$ or<br>US-20020126672-\$ or<br>US-20020144001-\$ or<br>US-20020146009-\$ or<br>US-20020154634-\$ or<br>US-20020191605-\$ or<br>US-20030007489-\$ or<br>US-20030028530-\$ or<br>US-20030033386-\$ or<br>US-20030056001-\$ or<br>US-20030058864-\$ or<br>US-20030123459-\$ or<br>US-20040236720-\$).did. or<br>(US-4468728-\$ or US-5282201-\$ or<br>US-5321387-\$ or US-5408434-\$ or<br>US-5414704-\$ or US-5448733-\$ or<br>US-5504741-\$ or US-5519649-\$ or<br>US-5824930-\$ or US-5860136-\$ or<br>US-5893137-\$ or US-5940852-\$ or<br>US-6052683-\$ or US-6114873-\$ or<br>US-6125426-\$ or US-6137798-\$ or<br>US-6161144-\$ or US-6181698-\$ or<br>US-6195545-\$ or US-6209020-\$ or<br>US-6240003-\$ or US-6275861-\$ or<br>US-6289414-\$ or US-6295456-\$ or<br>US-6307855-\$ or US-6314099-\$).<br>did. or (US-6343289-\$ or<br>US-6389451-\$ or US-6411626-\$ or<br>US-6421660-\$ or US-6452908-\$ or<br>US-6453358-\$ or US-6460120-\$ or<br>US-6484170-\$ or US-6529897-\$ or<br>US-6549519-\$ or US-6570877-\$ or<br>US-6571313-\$ or US-6606301-\$ or<br>US-6618833-\$ or US-6651099-\$ or<br>US-6665297-\$ or US-6675163-\$ or<br>US-6678269-\$ or US-6725216-\$ or<br>US-6732227-\$ or US-6763348-\$ or<br>US-6771646-\$ or US-6829217-\$ or<br>US-6839751-\$ or US-6842443-\$ or<br>US-6853640-\$ or US-6862280-\$).<br>did. or (US-6862281-\$ or<br>US-6877005-\$).did. | US-PGPUB;<br>USPAT | OR | OFF | 2005/04/15 07:36 |
| S91 | 704633 | shift\$4  | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/15 07:36 |
| S92 | 20     | S91 and S90   | US-PGPUB;<br>USPAT | OR | ON  | 2005/04/15 07:58 |

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|----------|--------|---|---|----|-----|------------------|
| S93      | 766043 | adding  | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/04/15 07:41 |
| S94      | 27     | S93 and S90   | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/04/15 07:42 |
| S95      | 3      | "6343289"   | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/04/15 07:58 |
| S96      | 2      | "6,529,897"   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2005/04/28 13:58 |
| S97      | 0      | "09940758"  | US-PGPUB;<br>USPAT                                    | OR | OFF | 2005/04/28 13:58 |
| S98      | 13     | ("5008820"   "5463777"  <br>"5574910"   "5717913"   "5748952"<br>  "5845274"   "5920699"  <br>"5951649"   "5951651"   "5963905"<br>  "5978951"   "6298340").PN. OR<br>("6529897").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2005/04/28 14:57 |
| S10<br>0 | 0      | "09940758".ap.  | US-PGPUB;<br>USPAT                                    | OR | OFF | 2005/09/14 12:51 |
| S10<br>1 | 5      | "940758".ap.  | US-PGPUB;<br>USPAT                                    | OR | OFF | 2005/09/14 13:07 |
| S10<br>2 | 1      | "6529897".pn.   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2005/09/14 13:07 |
| S10<br>3 | 13     | ("5008820"   "5463777"  <br>"5574910"   "5717913"   "5748952"<br>  "5845274"   "5920699"  <br>"5951649"   "5951651"   "5963905"<br>  "5978951"   "6298340").PN. OR<br>("6529897").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2005/09/14 13:56 |
| S10<br>4 | 10742  | packet adj header   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2005/09/14 13:56 |
| S10<br>5 | 442429 | key   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2005/09/14 13:56 |
| S10<br>6 | 278    | S104 with S105  | US-PGPUB;<br>USPAT                                    | OR | OFF | 2005/09/14 13:57 |
| S10<br>7 | 129    | S106 and "370"/\$.ccls.   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2005/09/14 13:57 |
| S10<br>8 | 246520 | (content adj addressable adj<br>memory) or CAM or (associative adj<br>memory)   | US-PGPUB;<br>USPAT                                    | OR | ON  | 2006/02/08 16:33 |
| S10<br>9 | 184148 | tree or trie  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/08 16:34 |
| S11<br>0 | 846    | S108 same S109  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/08 16:34 |



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|----------|--------|---|---|----|-----|------------------|
| S11<br>1 | 435    | S108 with S109  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/08 16:34 |
| S11<br>2 | 166    | S111 and key  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/08 16:35 |
| S11<br>3 | 76038  | data adj structure  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/09 10:02 |
| S11<br>4 | 693755 | (content adj addressable adj<br>memory) or CAM or (associative adj<br>memory) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/09 11:19 |
| S11<br>5 | 284    | S113 same S114  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/09 10:03 |
| S11<br>6 | 158    | S115 and key  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/09 10:03 |
| S11<br>7 | 31     | S115 same key   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/09 10:03 |

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|----------|--------|--|---|----|-----|------------------|
| S11<br>8 | 51     | ("20010053150"   "3648254"  <br>"4296475"   "4791606"   "4996666"<br>  "5088032"   "5319763"  <br>"5383146"   "5440715"   "5450351"<br>  "5481540"   "5515370"  <br>"5740171"   "5841874"   "5842040"<br>  "5898689"   "5920886"  <br>"5930359"   "5956336"   "5978885"<br>  "6000008"   "6041389"  <br>"6047369"   "6061368"   "6069573"<br>  "6081440"   "6091725"  <br>"6097724"   "6134135"   "6137707"<br>  "6141738"   "6148364"  <br>"6154384"   "6175513"   "6181698"<br>  "6199140"   "6236658"  <br>"6237061"   "6240003"   "6243667"<br>  "6246601"   "6295576"  <br>"6307855"   "6377998").PN. OR<br>("6606681").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/02/09 10:53 |
| S11<br>9 | 2445   | S113 and S114  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/09 11:18 |
| S12<br>0 | 184361 | tree or trie or trie   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/09 11:19 |
| S12<br>1 | 622    | S113 and S114 and S120 and key   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/09 11:19 |
| S12<br>4 | 3831   | S114 same S120   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/09 11:20 |
| S12<br>5 | 160    | S124 and S113  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/09 11:20 |
| S12<br>6 | 98     | S125 and key   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/09 11:20 |

|          |      |                             |   |    |     |                  |
|----------|------|-----------------------------|---|----|-----|------------------|
| S12<br>7 | 5    | CAM same (null adj pointer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 09:21 |
| S12<br>8 | 1636 | CAM same (null)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/13 09:21 |
| S12<br>9 | 85   | CAM same null same match\$2 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/02/13 09:21 |

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